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(54) Title: USE OF POLYUNSATURATED KETONES FOR THE TREATMENT OF PSORIASIS

(57) Abstract: Psoriasis is a common, chronic, inflammatory skin disorder. This invention provides the use of a compound of formula (I) R-CO-X (Wherein R is a C₁₆₋₂₄ unsaturated hydrocarbon group optionally interrupted α , β , γ , or δ to the carbonyl group by a heteroatom or group of heteroatoms selected from S, O, N, SO, SO₂ said hydrocarbon group comprising at least 5 non-conjugated double bonds; and X is an electron withdrawing group) in the manufacture of a medicament for the treatment of psoriasis.

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INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/557 A61K31/121 A61P17/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, EMBASE, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	WO 02 60535 A (A. R. LEFF) 8 August 2002 (2002-08-08) page 10, line 11 - line 25 page 11, line 5 - line 17 figure 2	1-7, 10-12, 14-16
X	WO 00 02561 A (UNIVERSITY OF SOUTH FLORIDA) 20 January 2000 (2000-01-20) page 17, line 12 - line 19 page 25, line 26 - page 26, line 2 claims 6,9	15,16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE WPI Section Ch, Week 199751 Derwent Publications Ltd., London, GB; Class B05, AN 1997-554679 XP002909987 & JP 09 268153 A (SAGAMI CHEM RES CENTRE), 14 October 1997 (1997-10-14) abstract</p> <p>---</p>	1-16
X	<p>A. K. HOLMEIDE ET AL: "Syntheses of some polyunsaturated trifluoromethyl ketones as potential phospholipase A2 inhibitors" JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANSACTIONS 1, 2000, pages 2271-2276, XP002240201 cited in the application the whole document</p> <p>---</p>	15,16
X	<p>L. THOMMESEN ET AL: "Selective Inhibitors of Cytosolic or Secretory Phospholipase A2 Block TNF-Induced Activation of Transcription Factor Nuclear Factor-kappaB and Expression of ICAM-1" THE JOURNAL OF IMMUNOLOGY, vol. 161, 1998, pages 3421-3430, XP002240202 cited in the application abstract</p> <p>---</p>	15,16
A	<p>S. FLOCK ET AL: "Syntheses of Some Polyunsaturated Sulfur- and Oxygen-containing Fatty Acids Related to Eicosapentaenoic and Docosahexaenoic Acids" ACTA CHEMICA SCANDINAVICA, vol. 53, 1999, pages 436-445, XP001148989 abstract page 436, right-hand column -page 437, left-hand column page 438</p> <p>-----</p>	1-16

INTERNATIONAL SEARCH REPORT

ational application No.
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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 14 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

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